

Department of Water Resources
2009 DROUGHT WATER BANK

NOTICE TO INTERESTED SELLERS

You or your agency (Seller) has expressed an interest in transferring water to the 2009 Drought Water Bank (DWB). If you are still interested in participating in the DWB, please submit a written proposal to 2009dwbproposals@water.ca.gov with the information requested below per water transfer type.. To facilitate review of your proposed transfer, completed proposals should be submitted as soon as possible to allow adequate time for review.

GENERAL SUBMITTAL REQUIREMENTS

The proposal should contain:

- Agency or party having legal right to transfer water, contact information including email address and telephone number, address and a detailed map showing the location of the agency and facilities. Also specify all parties required to affect transfer.
- County in which the agency and its applicable facilities are located
- Project description including how and when the water will be made available and the amount of transferable water. Include the detailed information specific to the type of transfer proposed as noted below.
- Underlying rights upon which the agency relies (pre or post 1914 Appropriative, contract, groundwater, etc) including authorized season of diversion
- Any local, state, or federal permits and approvals required for the transfer (e.g. SWRCB approval, county groundwater ordinance, etc.)
- Transfer timeline including critical decision dates
- Proposed monitoring and mitigation plan, if applicable
- Points of diversion and delivery to the DWB. If use of SWP or CVP facilities is needed, specify the period of use and the amount of water.

If Seller is a CVP contractor, the written proposal must be prepared in accordance with the Interim Guidelines for the Implementation of Water Transfers under the Central Valley Project Improvement Act and be provided to the respective Reclamation area office as well as to 2009dwbproposals@water.ca.gov. The Interim Guidelines are located at: <http://www.usbr.gov/mp/cvpia/3405a/docs/index.html>

INFORMATION REQUIREMENT FOR SPECIFIC TYPES OF TRANSFERS

Crop Idling/Crop Substitution Transfer

1. Crop history. Specify planted crop acres, total available acres, and idle/fallow acres in 2008 (for agency wide transfer). Individual farming operations must submit the past three years of cropping history including idle/fallow land.
2. Identify the crop that would be grown on each field “absent” the water transfer in 2009. If proposing crop shifting in 2009 identify the crop that will be grown to make water available for transfer.
3. Map (prefer 7 ½ minute USGS quadrangle maps) showing agency/farming operation boundaries with fields proposed for crop shifting/idling clearly identified, including acreage contained in each field to be idled.
4. Individual operations must identify land owned or leased in other areas. Seller will be requested to verify that crops idled for water transfer are not being increased in another area. This practice would simply switch water use from one area to another without decreasing overall water use.
5. Identify areas where the groundwater table is 20 feet or less below the soil surface.
6. Identify point(s) of surface water diversion and return flow. Include a description of any tailwater recovery system operation.
7. Identify lands that were included in any 2008 water transfer, if applicable.
8. Proposed monitoring and mitigation plan, if appropriate. Plan should include weed control program, canal maintenance practices, and any other relevant measures.

Stored Water Transfer and Refill

1. Stored water released for transfer must be in addition to the quantities of stored water normally released under historical and projected reservoir operations.
2. Submit monthly reservoir operations information for the previous 10 years showing monthly releases and storage levels to demonstrate that the water proposed for transfer is previously stored water that would not otherwise be released during the year of the transfer. Include flood control criteria and indicate on the spreadsheets when the reservoir was in flood control operations.
3. 2009 operations studies indicating projected monthly releases and reservoir storage levels with and without the transfer.

4. Proposed method of measuring stored water releases, accounting for transfer water and reservoir refill (i.e. reservoir refill criteria) to track reservoir operations during and after the transfer of water to protect the SWP and CVP against water supply impacts from reservoir refill.

Groundwater Substitution Transfer

1. Counties or other local agencies may have notice and information requirements described in ordinances regarding water transfers. To ensure that transfers comply with local requirements, please submit the following:
 - a. County where transfer wells are located.
 - b. Date that county was contacted regarding the proposed transfer
 - c. Name of county contact
 - d. Copy of correspondence with local agency regarding the transfer
2. Well Identification: Well owner name, well owners identification number, water district or agency where well is located, and the water district or agency's well identification number (if different from well owners identification number).
3. Well Location:
 - a. Include latitude and longitude and the Township, Range and Section. The location can be determined with a hand-held GPS unit or other instrument with equal or greater measuring precision.
 - b. A map, with at least as much hydrologic and physical detail as a 7.5 minute USGS quad sheet, showing the location of all wells that will be involved in the transfer and the location of all surface water features within two miles of the agency service area boundary. Include location of wells in the monitoring network (monitoring plan information is below).
4. Historic Operations: Operation records indicating the volume of water pumped from each well in 2008. Records of power consumption may be submitted in place of flow measurements from a totalizing flow meter. If needed, records of power consumption and well production from 2009 may be used to calculate the relationship needed to determine the well's production in 2008. Document and identify areas normally irrigated by wells involved in the transfer.
5. Proposed Operations:
 - a. Describe the well's projected operation (e.g. is groundwater to be applied to surrounding land, or is groundwater to be pumped into district canals, etc.), and the projected beneficial use of pumped water.
 - b. Verify that a totalizing flowmeter has been installed and calibrated.
6. Well Construction: Provide total well depth, depth of annular surface seal, gravel pack intervals, casing size, casing perforation interval (or open hole interval), and well's construction method (cable tool, rotary gravel pack well, etc.)

7. Geologic Log: Provide details of geologic materials described on the well log.
8. Estimated Well Capacity: Identify estimated well capacity and method for determining capacity
9. If available, provide results of a PG&E well efficiency test, independent well drawdown tests, water quality data, and/or site-specific studies that document aquifer properties surrounding the well or extent of the well's hydrologic connection with any surface waters.
10. Pump Power: Verify that each well is powered by an electric source, or that offsetting reductions in diesel or gasoline emissions are provided elsewhere.

The amount of information submitted for each well will depend on its location relative to surface water features and other areas that may be sensitive to groundwater pumping effects.

Following submittal of the above information for groundwater substitution transfers, Seller must submit a monitoring and mitigation program. The programs should include the following information:

A. Groundwater Substitution Transfer Monitoring Program

Seller must document that the monitoring program incorporates each of the elements listed below.

1. A monitoring well network that adequately covers the surface area and aquifer intervals within the affected pumping area
2. Periodic meter readings of instantaneous flow (gpm) and total discharge volume at each of the groundwater substitution wells
3. Groundwater level measuring of sufficient frequency and duration to quickly and accurately identify program-related impacts
4. Groundwater quality testing
5. The means to detect land subsidence or a credible analysis demonstrating that subsidence is unlikely to occur
6. The means to coordinate data collection and cooperate with other monitoring efforts in the area.
7. Data evaluation and reporting

B. Groundwater Substitution Transfer Mitigation Program

To ensure that mitigation programs will be tailored to local conditions, the mitigation plan will include the following elements:

1. A procedure for the seller to receive reports of purported environmental or third party effects and to report that information to DWR and Reclamation and, as required, to local agencies
2. A procedure for investigating any reported effect, including a means to resolve disputes involving the seller and parties claiming to be injured by transfer activities
3. Development of mitigation options, in cooperation with the affected third parties, for legitimate effects
4. Assurances that adequate financial resources are available to cover reasonably anticipated mitigation needs

PROPOSAL SUBMITTAL

Submit an electronic copy of the proposal to 2009dwbproposals@water.ca.gov . If you cannot submit an electronic copy, send four copies of the proposal to:

Teresa Geimer
Drought Water Bank Coordinator
Department of Water Resources
P.O. Box 942836
Sacramento, California 94236-0001

If you have any questions concerning your proposal, please contact the person concerning the specific type of transfer:

Crop Idling/Crop Substitution Transfer

Dean Reynolds, DWR at dreynolds@water.ca.gov or (916) 651-7055

Storage Water Transfer

Bob Aldridge, DWR at aldridge@water.ca.gov or (916) 653-6176

Groundwater Substitution Transfer

Bob Niblack, DWR at bniblack@water.ca.gov or (916) 651-9223

If you have questions on the DWB, please contract Teresa Geimer at tgeimer@water.ca.gov, or (916) 651-7194.